

**Figure 1**

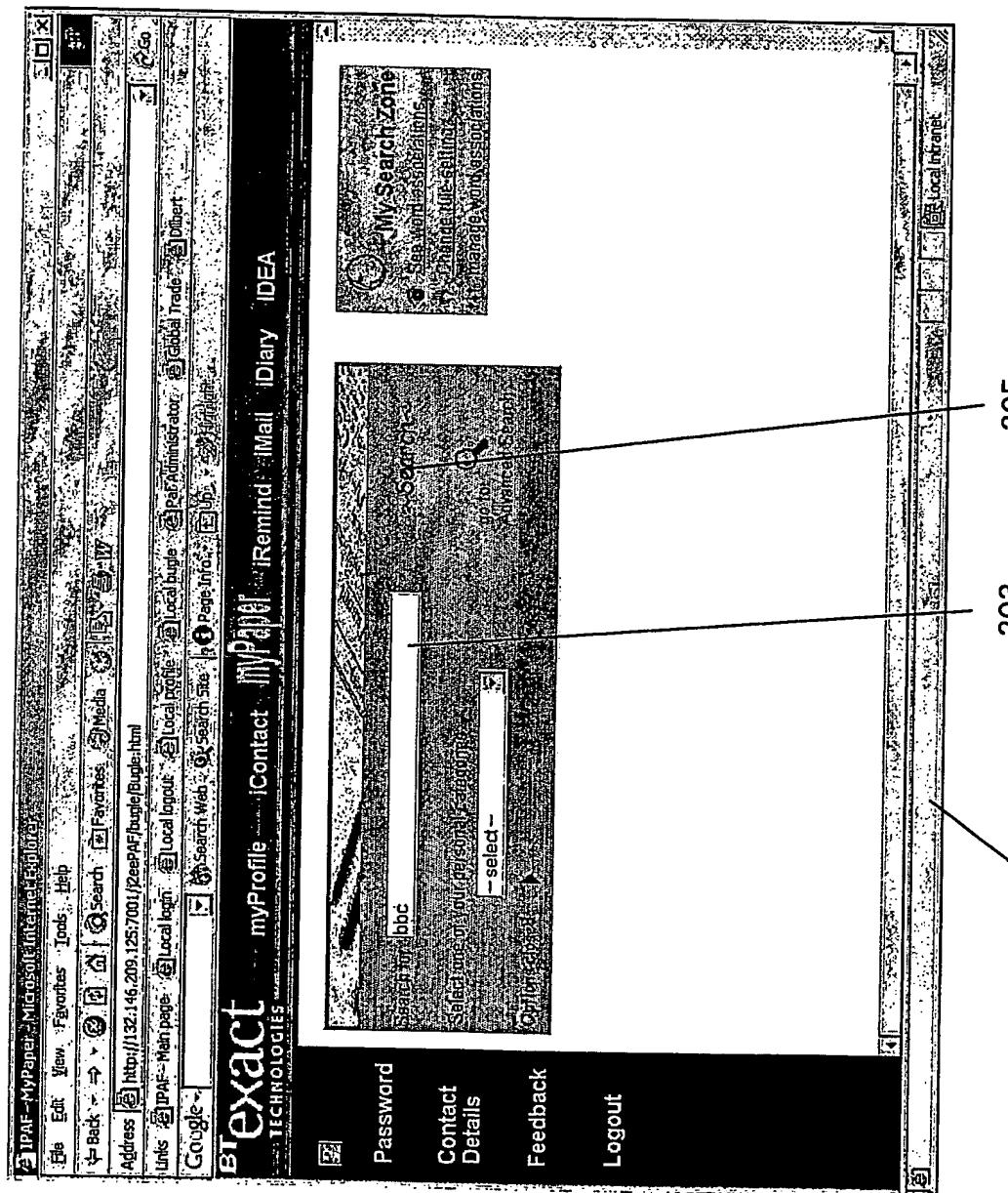


Figure 2a

205

203

201

3/7

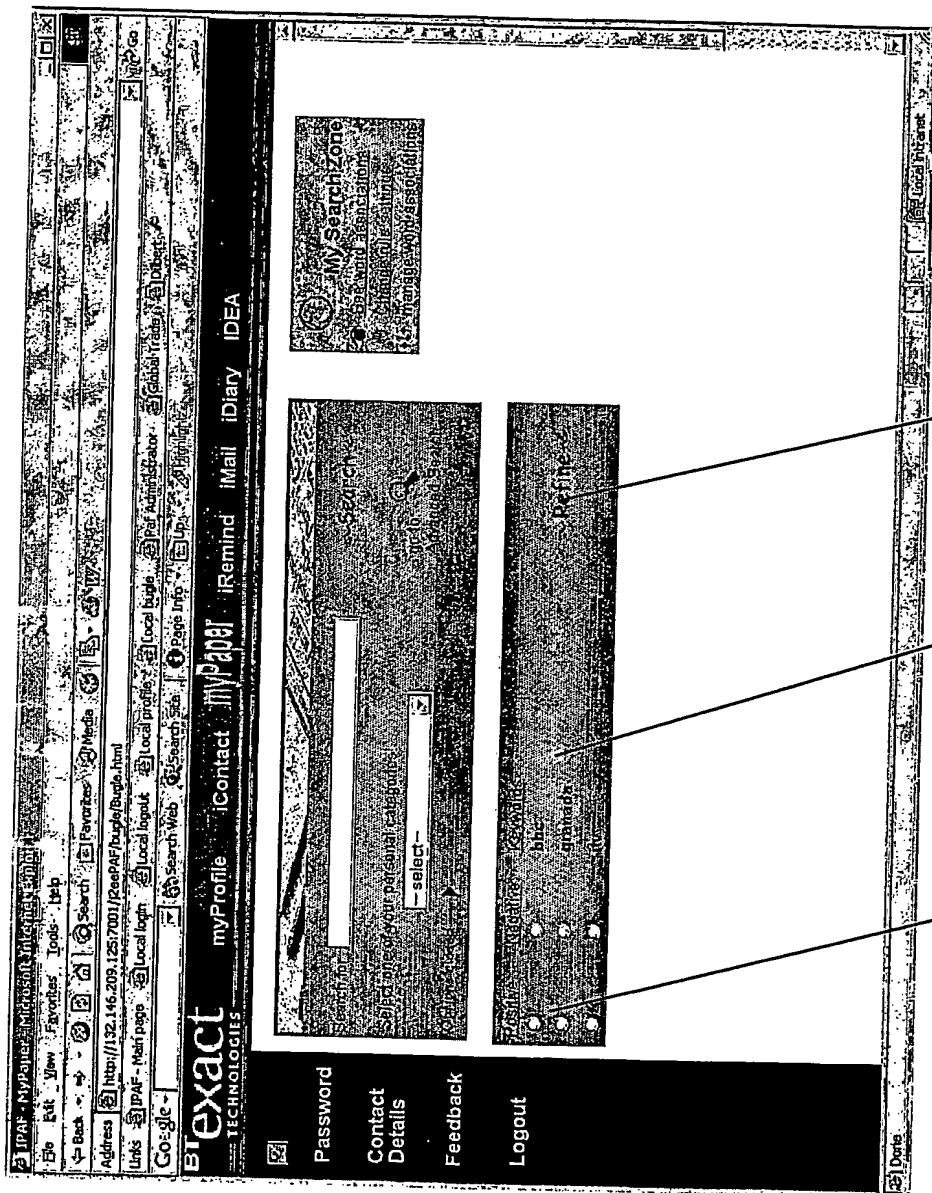
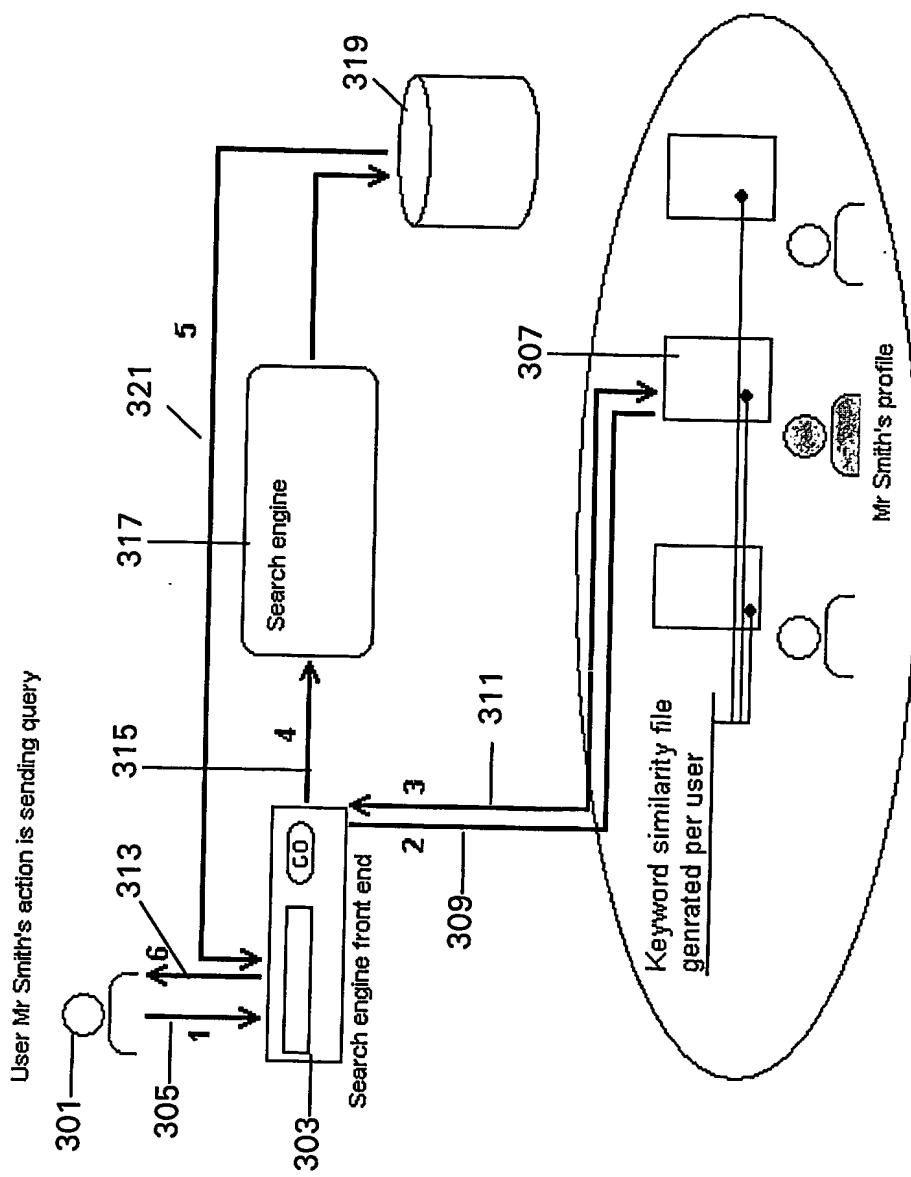


Figure 2b

207

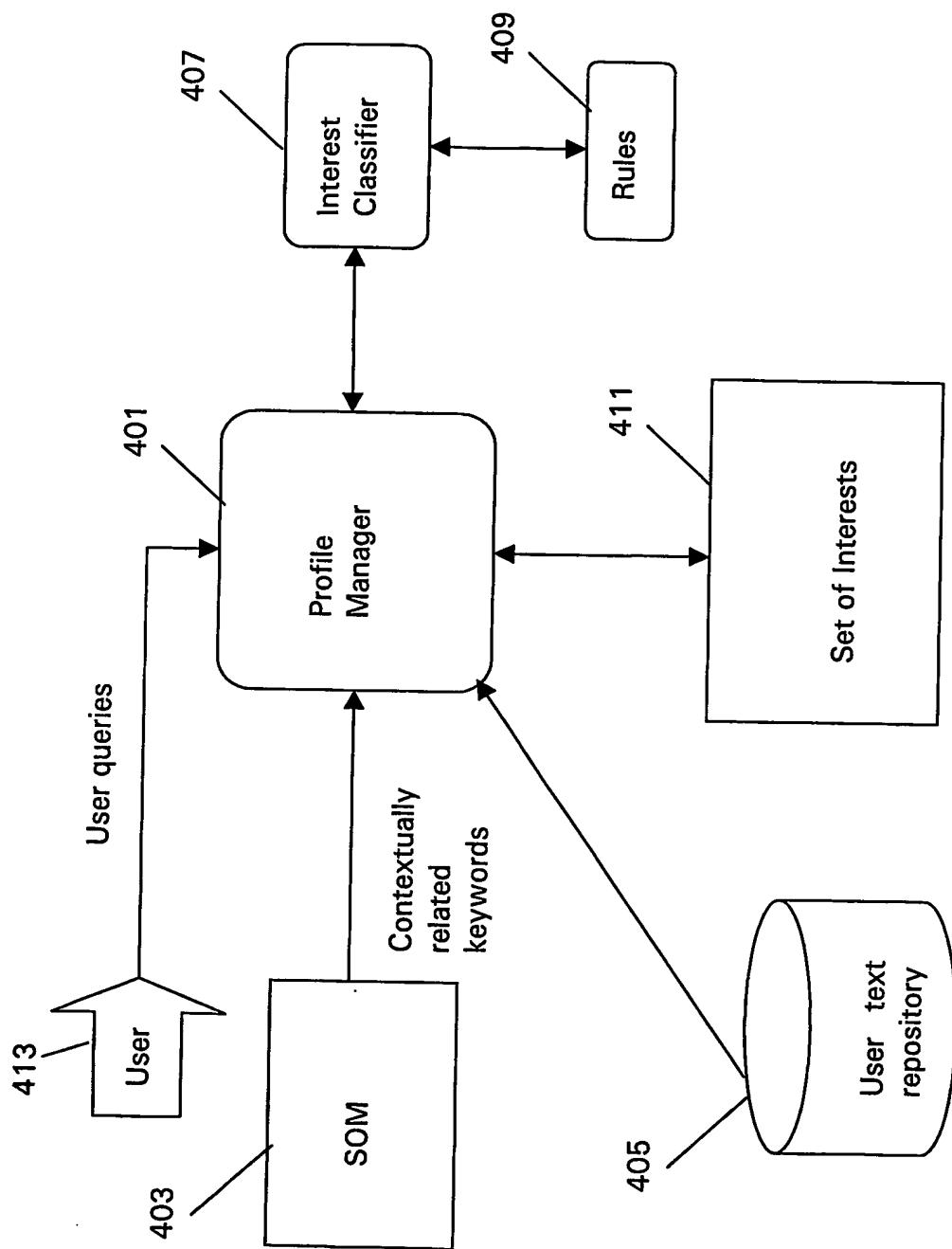
211

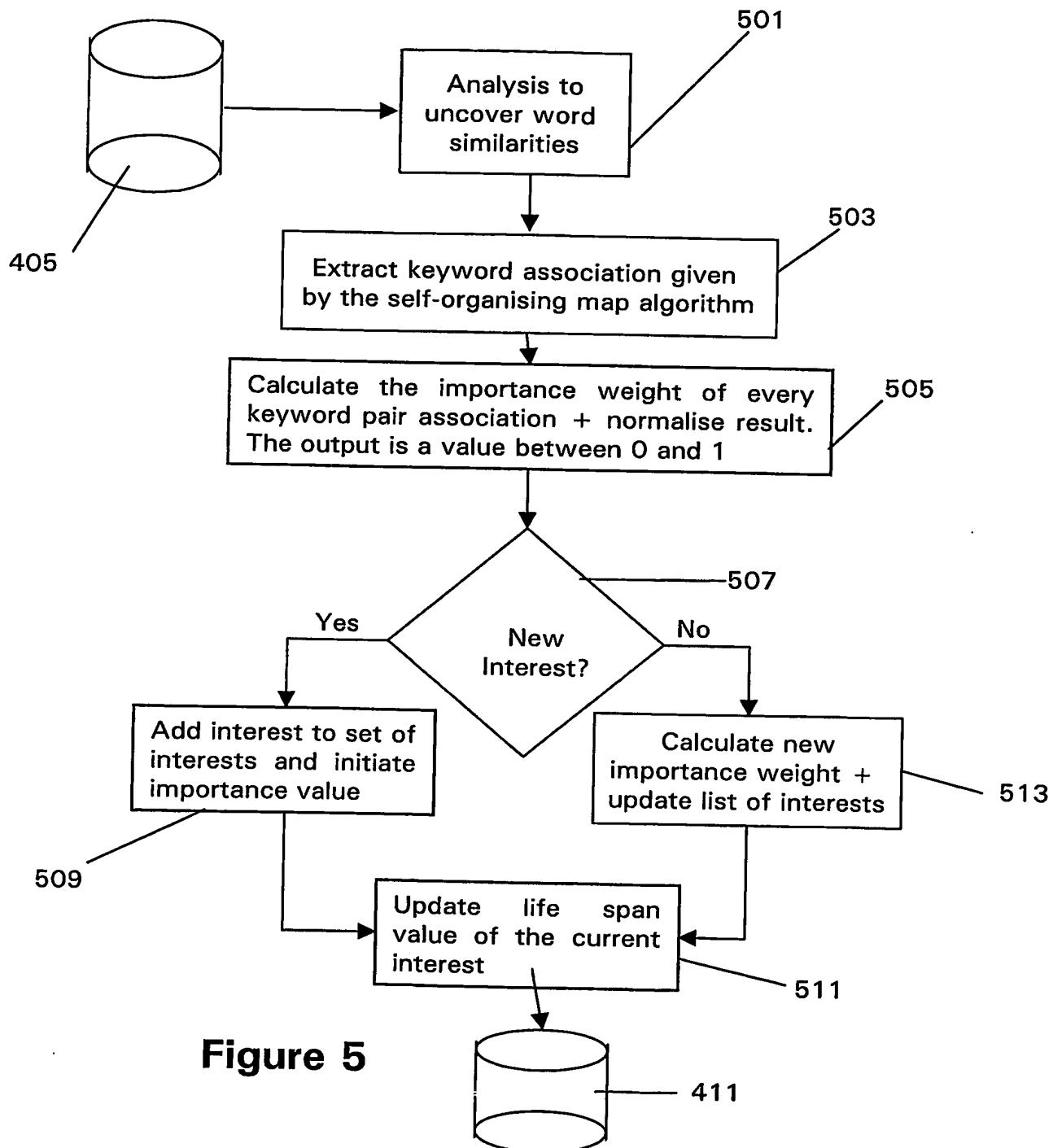
209

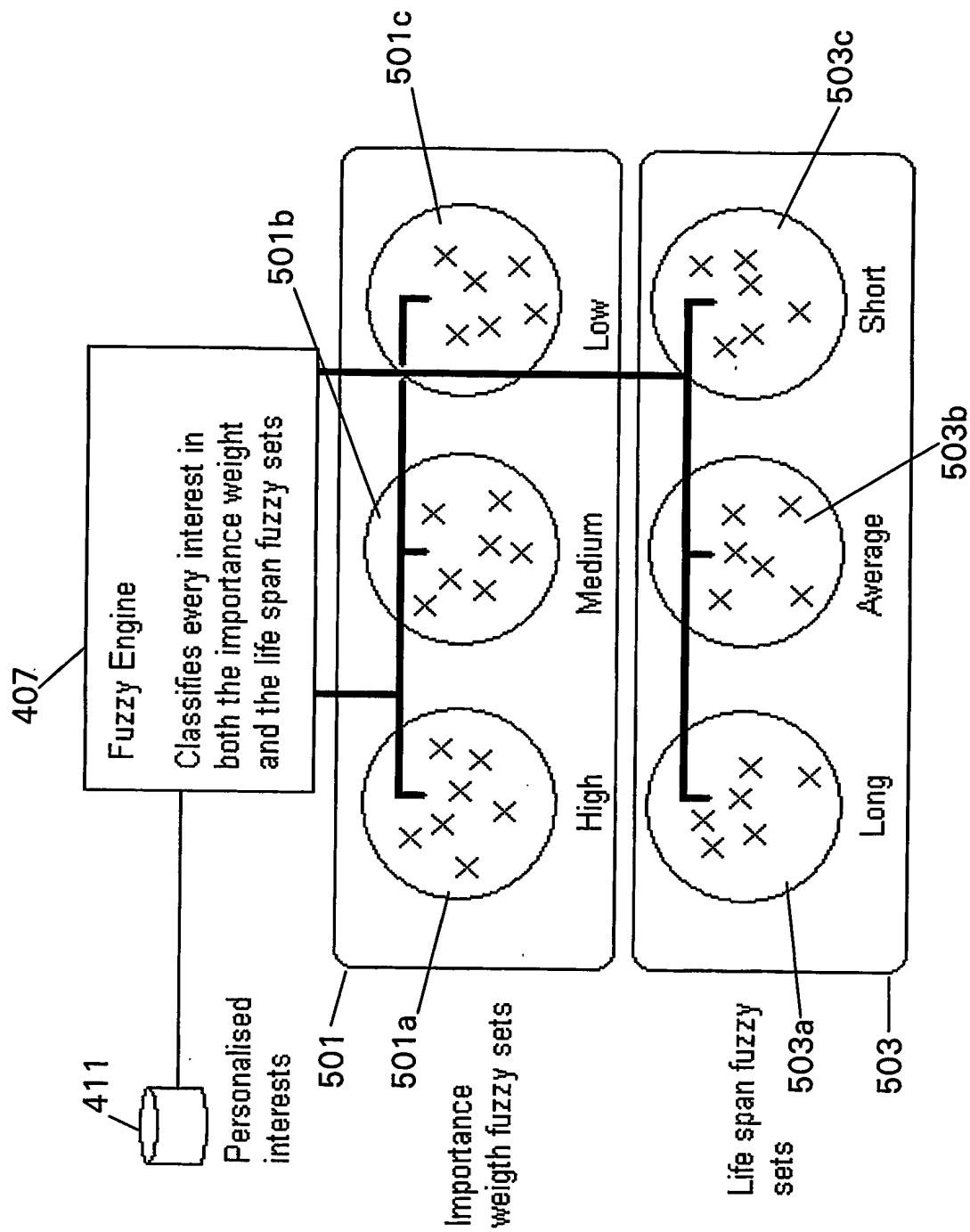


- 1: User sends query
- 2: User "related keyword" profile is read and additional Boolean keywords are extracted
- 3: The user is given the Boolean terms to expand his query
- 4: The expanded query can go to a search engine (one that can handle Boolean querying)
- 5: The set of result is extracted from the data repository
- 6: The Graphical User Interface displays the results back to the user

Figure 3

**Figure 4**

**Figure 5**



**Figure 6**